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1644

TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/626,617A

DATE: 11/27/2000  
 TIME: 17:36:47

Input Set : A:\LUD 5664.txt  
 Output Set: N:\CRF3\11272000\I626617A.raw

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DEC 11 2000

TECH CENTER 1600/2900

1 <110> APPLICANT: Dumoutier, Laure  
 2 Renault, Jean-Christophe  
 4 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules which Encode T Cell Inducible Factors, or  
 5 Interleukin-21, The Proteins Encoded, and Uses Thereof  
 7 <130> FILE REFERENCE: LUD 5664  
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 C--> 10 <141> CURRENT FILING DATE: 2000-07-27  
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 13 <151> PRIOR FILING DATE: 1999-10-18  
 15 <150> PRIOR APPLICATION NUMBER: US09/354,243  
 16 <151> PRIOR FILING DATE: 1999-07-16  
 18 <150> PRIOR APPLICATION NUMBER: US09/178,973  
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 59 <213> ORGANISM: Mus musculus  
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      82 attgccctgt gggcccaggga ggcaaatgag ctgcccgta acaccggtg caagcttgag   180
      84 gtgtccaaact tccagcagcc gtacatcgtc aaccgcacct ttatgctggc caaggaggcc   240
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      88 agtgcataaa atcagtqcta cctgaatgaa caatctctca acttccacct ggaagacgtt   360
      90 ctgctccccc agtcagacag gttccagccc tacatgcagg aggtggtaac ttctctgacc   420
      92 aaactcagca atcagctcag ctccctgtcac atcagcggty acgaccagaa catccagaag   480
      94 aatgtcagaa ggcgtgaagg gacagtgaag aagcttggag agagtggaga gatcaagggc   540
      96 attggggaac tggacctgct gtttatgtct ctgagaaaty ctgogtctg agcgagaaga   600
      98 agctagaaaa cgaagaactg ctccctctct ccttctaaaa agaacaataa gatccctgaa   660
     100 tggacttttt tactaaagga aagtggagaag ctaacgtcca tcatcattag aagatttcac   720
     102 atgaaacctg gctcagttga aaaaagaaat agtgtcaagt tgtccatgag accagaggta   780
     104 gacttgataa ccacaaagat tcattgacaa tattttattg tcaactgatg tacaacagaa   840
     106 aaataatgta ctttaaaaaa ttgtttgaaa ggagggtacc tctcatctct tttagaaaaa   900
     108 agcttatgta acttcatttc catatccaat attttatata tgaagttta ttattatata   960
     110 gtatacattt tatttatgtc agtttattaa tatggattta ttatagaaa cattatctgc  1020
     112 tattgatatt tagtataagg caaataatat ttatgacaat aactatggaa acaagatata  1080
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     135 tgaactccat gtttttaact ttttattaaa atatccacac aatcagtggt tgtgcaagtc   420
     137 tgtttccccc acatgtatgt ctgtgcacca agtgctgcct ggtgcttggt ggggcaagg   480
     139 gcaggagagg gtgccctggc accggagtcg cggatggltt tgagccacca tgaggatgct   540

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## RAW SEQUENCE LISTING

DATE: 11/27/2000

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Input Set : A:\LUD 5664.txt

Output Set : N:\CRF3\11272000\I626617A.raw

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141 gggagttaga cccaggtcct ccagaagtgc agcaaagtct cttaaccaca cgcaggcatt 600
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145 ttcactcact gccacctccc ctttgcctct tcttgccaaq gaacacccaa aagcaagaat 720
147 ccccaactg ctttcgctcc tcaagtctgc acctctcaac aggtcaagat tctccagtgt 780
149 cctctacaac ctttccccag tgcctctcta acactttctc cagtgtccct ctaacacttt 840
151 ctccagtgtc cctctaacac ttttgatctc aattagctga ggggagaaay atctcacaca 900
153 gtgattttca tgacttgcg tcttagtcta gatgtaggca tttycgtgtc agtctagggc 960
155 aggcgtctgc tcccgtgct taggaaagac tttcctagtc tagttgtcag gtgctatctg 1020
157 ggattcagtg tacatacaat gcaaaaaatc ccagtatttt gttaaattctc ttcttcaact 1080
159 atccatctat atagtatgtt attgtaggct catttaaaaa taatatattg agacttatgc 1140
161 ttgcacaagt aaaatgtcag agaattagca aatgtatagt attattttat tttaaaaaaa 1200
163 tctatgctta aaatgtctat tagattgttc actaccgata ttccaaaact taacttgacc 1260
165 ttggctatga ttccaacctt tgtatttgca tctaccataa cagtctctga accagaacat 1320
167 tctgtggcaa tgggagctgt gaagaaagcc aacattctta ttaaaaaaaa aaacagcta 1380
169 gttatagtgt aggtattccat atactaaaaa aaatagagat ataattattt taaaaattga 1440
171 aataatctcc aagttttcat tatggcttat ttcaaagcac agaatatagg acacgggtct 1500
173 tttattttctg gtcaacttcta aagagataag aatctatgaa qttggtggga aaatgagtc 1560
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179 gtgtgcaaaa gcaaccttgtt ggcctcacc gtgacgtttt agggagagct tcccctctct 1740
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235 tgagtacaag tacttgtggg gggaggggat ggcacagagc aaaagttgaa ggggaaggag 3420
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243 agaaacttta tgcctatctc ttgtgtaca cteccacctt tgatgaggtt cagctcaggt 3660
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253 tctgttagtg agtctgtctt tattttgcag cacatcagcg gtgacgacca gaacatccag 3960
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331 tgtgcaaggt tcaataagat agattaatag gcccatcaac agctttatgg gtgtgaaatg 6300
333 caagttaatat aggtagatgc ctgtgtgtgc cttaggctag aaaggcatga ttttaaggtc 6360
335 ttgggcaaat catattatc tcatgctaaa aatacattat gttgattatt aatcttttag 6420

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Output Set: N:\CRF3\11272000\I626617A.raw

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341 tggagagagat ggagagatca aggcgattgg qgaactggac ctgctgttta tgcctctgag 6600
343 aaatgcttgc gtctgagcga gaagaagcta gaaaacgaag aactgctcct tccgtccctc 6660
345 taaaaagaac aataagatcc ctgaatggac ttttttacta aaggaaagtg agaagctaac 6720
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349 caagttgtcc atgagaccag aggtagactt gataaccaca aagattcatt gacaatattt 6840
351 tattgtcact gatgatacaa cagaaaaata atgtacttta aaaaattgtr tgaaaggagg 6900
353 ttaccctctca ttccctttaga aaaaaagctt atgtaacttc atttccatat ccaatatatt 6960
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365 ctgtggtttt gtgtgtgttg tgtgtgtgtg tggggttatg catgtgaaag ccagagatgg 7320
367 atattaggtg ttctctctca tcagtctctg ccttattatt tgagacaggg tctgtcactg 7380
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371 tgtat. 7445

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374 &lt;210&gt; SEQ ID NO: 9

375 &lt;211&gt; LENGTH: 1111

376 &lt;212&gt; TYPE: DNA

377 &lt;213&gt; ORGANISM: Mus musculus

W--&gt; 378 &lt;220&gt; FEATURE:

W--&gt; 379 &lt;400&gt; SEQUENCE: 9

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384 tgccctgttg gccaggagg caaatgcgct gcccatcaac acccggtgca agcttgagg 180
386 gtccaacttc cagcagccgt acatcgtcaa ccgcaccttt atgctggcca aggaggccag 240
388 ccttcagcat aacaacacag acgtccggtc catcggggag aaactgttcc gaggagtcag 300
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392 gctccccccag tcagacagggt tccggcccta catgcaggag gtygtgctt tccctgaccaa 420
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402 gactttttta ctaaaaggaaa gtgagaagct aacgtccacc atcattagaa gatttccat 720
404 gaaacctggc tcagttgaaa gaaaaaatag tgtcaagttg tccatgagac cagaggtaga 780
406 cttgataacc acaagatttc attgacaata ttttattgtc attgataatg caacagaaaa 840
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419 &lt;210&gt; SEQ ID NO: 10

420 &lt;211&gt; LENGTH: 21

421 &lt;212&gt; TYPE: DNA

422 &lt;213&gt; ORGANISM: Mus musculus

W--&gt; 423 &lt;220&gt; FEATURE:

W--&gt; 424 &lt;400&gt; SEQUENCE: 10

FYI:

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

DATE: 11/27/2000

PATENT APPLICATION: US/09/626,617A

TIME: 17:36:48

Input Set : A:\LUD 5664.txt

Output Set: N:\CRF3\11272000\I626617A.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:28 M:283 W: Missing Blank Line separator, <220> field identifier  
L:29 M:283 W: Missing Blank Line separator, <400> field identifier  
L:36 M:283 W: Missing Blank Line separator, <220> field identifier  
L:37 M:283 W: Missing Blank Line separator, <400> field identifier  
L:44 M:283 W: Missing Blank Line separator, <220> field identifier  
L:45 M:283 W: Missing Blank Line separator, <400> field identifier  
L:52 M:283 W: Missing Blank Line separator, <220> field identifier  
L:53 M:283 W: Missing Blank Line separator, <400> field identifier  
L:60 M:283 W: Missing Blank Line separator, <220> field identifier  
L:61 M:283 W: Missing Blank Line separator, <400> field identifier  
L:68 M:283 W: Missing Blank Line separator, <220> field identifier  
L:69 M:283 W: Missing Blank Line separator, <400> field identifier  
L:76 M:283 W: Missing Blank Line separator, <220> field identifier  
L:77 M:283 W: Missing Blank Line separator, <400> field identifier  
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L:423 M:283 W: Missing Blank Line separator, <220> field identifier  
L:424 M:283 W: Missing Blank Line separator, <400> field identifier  
L:431 M:283 W: Missing Blank Line separator, <220> field identifier  
L:432 M:283 W: Missing Blank Line separator, <400> field identifier  
L:439 M:283 W: Missing Blank Line separator, <220> field identifier  
L:440 M:283 W: Missing Blank Line separator, <400> field identifier  
L:447 M:283 W: Missing Blank Line separator, <220> field identifier  
L:448 M:283 W: Missing Blank Line separator, <400> field identifier  
L:455 M:283 W: Missing Blank Line separator, <220> field identifier  
L:456 M:283 W: Missing Blank Line separator, <400> field identifier  
L:463 M:283 W: Missing Blank Line separator, <220> field identifier  
L:464 M:283 W: Missing Blank Line separator, <400> field identifier  
L:472 M:283 W: Missing Blank Line separator, <220> field identifier  
L:473 M:283 W: Missing Blank Line separator, <400> field identifier  
L:480 M:283 W: Missing Blank Line separator, <220> field identifier  
L:481 M:283 W: Missing Blank Line separator, <400> field identifier  
L:488 M:283 W: Missing Blank Line separator, <220> field identifier  
L:489 M:283 W: Missing Blank Line separator, <400> field identifier  
L:509 M:283 W: Missing Blank Line separator, <220> field identifier  
L:510 M:283 W: Missing Blank Line separator, <400> field identifier  
L:517 M:283 W: Missing Blank Line separator, <220> field identifier  
L:518 M:283 W: Missing Blank Line separator, <400> field identifier  
L:525 M:283 W: Missing Blank Line separator, <220> field identifier  
L:526 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
L:529 M:283 W: Missing Blank Line separator, <400> field identifier  
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:536 M:283 W: Missing Blank Line separator, <220> field identifier  
L:537 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/626,617A

DATE: 11/27/2000

TIME: 17:36:48

Input Set : A:\LUD 5664.txt

Output Set: N:\CRF3\11272000\I626617A.raw

L:537 M:283 W: Missing Blank Line separator, <400> field identifier  
L:544 M:283 W: Missing Blank Line separator, <220> field identifier  
L:545 M:283 W: Missing Blank Line separator, <400> field identifier  
L:552 M:283 W: Missing Blank Line separator, <220> field identifier  
L:553 M:283 W: Missing Blank Line separator, <400> field identifier  
L:560 M:283 W: Missing Blank Line separator, <220> field identifier  
L:561 M:283 W: Missing Blank Line separator, <400> field identifier